



GILL

# **MaxiMet**

Compact Weather Stations

[gillinstruments.com](http://gillinstruments.com)



**MaxiMet** is an advanced compact weather station designed and manufactured by Gill Instruments using proven technology to measure meteorological and environmental parameters to international standards.

MaxiMet incorporates all the measurement parameters that meet the requirements of users in demanding applications where cost, quality and performance are essential.

With features such as wind, precipitation, solar radiation, temperature, humidity, pressure, low power 'Eco Mode', GPS, compass, Bluetooth and many more, MaxiMet is unique in its ability to provide the widest number of measurements and output protocol options which makes it easy to install, easy to use and it is zero maintenance.

**MaxiMet is the weather station chosen for any application by customers who want a cost effective and reliable compact weather station.**

## KEY BENEFITS

- Consistent high quality measurements
- Measure all parameters with a single instrument
- Cost effective
- Gill proven quality and reliability
- Plug and play
- Easy to use software
- Bluetooth communications
- Easy installation
- Robust construction
- No moving parts
- Minimal maintenance
- Access to Gill customer support

## KEY FEATURES

**Compact Weather Station**

**Integrated Design**

**Wide Range of Models to Suit Every Application**

**Measurements to International Standards: WMO, DIN ISO 9060**

**Low Power Eco Mode**

**Widest Range of Parameters\***

**Wireless Communications**

**Maintenance Free – No Moving Parts**

**Protocols: Modbus, SDI-12, NMEA, ASCII, Analogue**

\* wind speed and direction, air temperature, relative/absolute humidity, pressure, precipitation, solar radiation, GPS 3D coordinate/MSL pressure/true wind/clock/longitude and latitude, ground speed, compass 2D coordinate/apparent wind, location, height above sea level, averaging (WMO), gust (WMO), barometric pressure, dew point, wind data quality % and more...

## APPLICATIONS

### Building and Industrial Controls

Green environmental controls, intelligent building management, heating ventilation and air conditioning (HVAC), environmental monitoring, risk mitigation, decision making, planning, resources management, pollution control.

### Safety and Environment

### Authorities

Flood management, recreational activities, safety and environmental management, parks and recreational facilities.

### Statutory Obligations

### Transport

Railways, harbours, roads, bridges, tunnels, airports, helipads, inland waterways.

### Land/Sea/Air

### Coastal

General marine usage, ports and harbours, flood management, commercial and domestic usage.

### Onshore and Offshore

### Agricultural

Cultivation and management of plants and animals, crop spraying, greenhouse controls, hydroponics, aquaponics, biotechnology, pest control, automated systems, forecasting.

### Farming and Research

### Safety

Theme parks, scaffolding, ride safety, maximise operation times, temporary installations.

### Event Management

### Educational

Educational weather stations, green energy projects, schools, universities, museums, visitor centres, cultural sites.

### Schools and Colleges

### Commercial

Insurance risk management, integration with complimentary technology, eg dust and noise.

### Extreme Weather

### Energy

Site profiling, yield monitoring, forecasting, automated controls.

### Solar/Wind/Wave

# MaxiMet

## Features & Specifications



**GMX 100    GMX 200    GMX 300    GMX 301    GMX 400    GMX 500    GMX 501    GMX 600    GMX 700**

FEATURES	Bluetooth		Low Power Consumption		Precipitation		Wind		Temperature Humidity Pressure		Temperature Humidity Pressure Solar Radiation		Temperature Humidity Pressure		Wind Temperature Humidity Pressure		Wind Temperature Humidity Pressure Solar Radiation		Wind Temperature Humidity Pressure Solar Radiation Precipitation		
	All MaxiMet models feature Bluetooth & low power Eco Mode																				
WIND	Wind speed corrected*							○								○				○	
	Wind direction apparent							●								●				●	
	Wind direction true*							○								○				○	
	Wind data quality indicator																				
	Wind gust WMO standard								●							●				●	●
	Wind averaging WMO standard								●							●				●	●
RH / PRESSURE	Absolute humidity (g/m <sup>3</sup> )								●						●				●	●	
	Mean sea level pressure**								○						○				○	○	
PRECIP	Rain gauge over Bluetooth																			●	
	24 hr total precipitation																		●	●	
SOLAR	24hr sunshine hours																		●	●	
DIRECTION / POSITION	Compass <i>Provides apparent wind for stationary stations</i>								●						●				●	●	
	GPS <i>Provides lat/long/altitude/ground speed/ true wind as well as position necessary for other derived parameters</i>								○						○				○	○	
POWER & OUTPUTS	Serial RS232, RS422, RS485, SDI-12, ASCII, NMEA, MODBUS								●						●				●	●	
	Analogue								○						○				○	○	
	Bluetooth communications								●						●				●	●	
	Low power Eco Mode								●						●				●	●	

● Included  
○ Optional

\* Requires GPS  
+ Requires manual input if no GPS

# GILL

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